

0570  
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OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/904,380

DATE: 11/06/2001

TIME: 12:15:14

Input Set : A:\62430-A seq listing.txt

Output Set: N:\CRF3\11062001\I904380.raw

3 <110> APPLICANT: Jane H. Morse and James A. Knowles  
5 <120> TITLE OF INVENTION: Role of PPH1 Gene in Pulmonary Hypertension  
7 <130> FILE REFERENCE: 0575/62430-A/JPW/SHS  
9 <140> CURRENT APPLICATION NUMBER: 09/904,380  
C--> 10 <141> CURRENT FILING DATE: 2001-10-15

OK

ENTERED

12 <160> NUMBER OF SEQ ID NOS: 30  
14 <170> SOFTWARE: PatentIn version 3.1  
16 <210> SEQ ID NO: 1  
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226 ctgctacaac catggtgtct aaagatatag aatggaacgt cttcctccgt gacgatgtg 6180
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231 &lt;210&gt; SEQ ID NO: 2

232 &lt;211&gt; LENGTH: 1080

233 &lt;212&gt; TYPE: PRT

234 &lt;213&gt; ORGANISM: Human

236 &lt;400&gt; SEQUENCE: 2

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243 20 25 30
246 Arg Leu Cys Cys Ala Phe Lys Asp Pro Tyr Gln Gln Asp Leu Gly Ile
247 35 40 45
250 Gly Glu Ser Arg Ile Ser His Glu Asn Gly Thr Ile Leu Cys Ser Lys
251 50 55 60
254 Gly Ser Thr Cys Tyr Tyr Gly Leu Trp Glu Lys Ser Lys Gly Asp Ile
255 65 70 75 80
258 Asn Leu Val Lys Gln Gly Cys Cys Trp Ser His Ile Gly Asp Pro Gln
259 85 90 95
262 Glu Cys His Tyr Glu Glu Cys Val Val Thr Thr Thr Pro Pro Ser Ile
263 100 105 110
266 Gln Asn Gly Thr Tyr Arg Phe Cys Cys Cys Cys Ser Thr Asp Leu Cys
267 115 120 125
270 Asn Val Asn Phe Thr Glu Asn Phe Pro Pro Pro Pro Asp Thr Thr Pro
271 130 135 140
274 Leu Ser Pro Pro His Ser Phe Asn Arg Asp Glu Thr Ile Ile Ile Ala
275 145 150 155 160
278 Leu Ala Ser Val Ser Val Leu Ala Val Leu Ile Val Ala Ala Leu Cys
279 165 170 175
282 Phe Gly Tyr Arg Met Leu Thr Gly Asp Arg Lys Gln Gly Leu His His
283 180 185 190

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290 Asp Asn Leu Lys Leu Leu Glu Leu Ile Gly Arg Gly Arg Tyr Gly Ala
291      210      215      220
294 Val Val Tyr Lys Gly Ser Leu Asp Glu Arg Pro Val Ala Val Lys Val
295 225      230      235      240
298 Phe Ser Phe Phe Ala Asn Arg Gln Asn Phe Ile Asn Glu Lys Asn Ile
299      245      250      255
302 Tyr Arg Val Pro Leu Met Glu His Asp Asn Ile Ala Arg Phe Ile Val
303      260      265      270
306 Gly Asp Glu Arg Val Val Thr Ala Asp Gly Arg Met Glu Tyr Leu Leu
307      275      280      285
310 Val Met Glu Tyr Tyr Pro Asn Asn Gly Ser Leu Cys Lys Tyr Leu Ser
311      290      295      300
314 Leu His Thr Ser Asp Trp Val Ser Ser Cys Arg Leu Ala His Ser Val
315 305      310      315      320
318 Thr Arg Gly Leu Ala Tyr Leu His Thr Thr Glu Leu Pro Arg Gly Asp
319      325      330      335
322 His Tyr Lys Pro Ala Ile Ser His Arg Asp Leu Leu Asn Ser Arg Asn
323      340      345      350
326 Val Leu Val Lys Asn Asp Gly Thr Cys Val Ile Ser Asp Phe Gly Leu
327      355      360      365
330 Ser Met Arg Leu Thr Gly Asn Arg Leu Val Arg Pro Gly Gly Glu Glu
331      370      375      380
334 Asp Asn Ala Ala Ile Ser Glu Val Gly Thr Ile Arg Tyr Met Ala Ala
335 385      390      395      400
338 Pro Glu Val Leu Glu Gly Ala Val Asn Leu Arg Asp Cys Glu Ser Ala
339      405      410      415
342 Leu Lys Gln Val Asp Met Tyr Ala Leu Gly Leu Ile Tyr Trp Glu Ile
343      420      425      430
346 Phe Phe Met Arg Cys Thr Asp Leu Phe Pro Gly Glu Ser Val Pro Glu
347      435      440      445
350 Tyr Gln Met Met Ala Phe Gln Thr Glu Val Gly Asn His Pro Thr Phe
351      450      455      460
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355 465      470      475      480
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359      485      490      495
362 Glu Thr Ile Glu Asp Cys Trp Trp Asp Gln Asp Ala Glu Ala Arg Leu
363      500      505      510
366 Thr Ala Gln Cys Ala Glu Glu Arg Met Ala Glu Leu Met Met Ile Trp
367      515      520      525
370 Glu Arg Asn Lys Ser Val Ser Pro Thr Thr Val Asn Pro Met Ser Thr
371      530      535      540
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375 545      550      555      560
378 Lys Ile Gly Pro Tyr Pro Asp Tyr Ser Ser Ser Ser Tyr Ile Glu Asp
379      565      570      575
382 Ser Ile His His Thr Asp Ser Ile Val Lys Asn Ile Ser Ser Glu His

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395 625          630          635          640
398 Thr Thr Gly Leu Thr Pro Ser Thr Gly Met Thr Thr Thr Thr Ser Glu Met
399          645          650          655
402 Pro Tyr Tyr Pro Asp Glu Thr Asn Leu His Thr Thr Thr Asn Val Ala Gln
403          660          665          670
406 Ser Ile Gly Pro Thr Pro Val Cys Leu Gln Leu Thr Glu Glu Asp Leu
407          675          680          685
410 Glu Thr Asn Lys Lys Leu Asp Pro Lys Glu Val Asp Lys Asn Leu Lys
411          690          695          700
414 Glu Ser Ser Asp Glu Asn Asn Leu Met Glu His Ser Leu Lys Gln Phe
415 705          710          715          720
418 Ser Gly Pro Asp Pro Leu Ser Ser Thr Ser Ser Ser Leu Leu Tyr Pro
419          725          730          735
422 Leu Ile Lys Leu Ala Val Glu Ala Ala Thr Gly Gln Gln Gln Asp Phe
423          740          745          750
426 Thr Gln Thr Ala Asn Gly Gln Ala Cys Leu Ile Ile Pro Asp Val Leu
427          755          760          765
430 Pro Thr Gln Ile Tyr Pro Leu Pro Lys Gln Gln Asn Leu Pro Lys Arg
431          770          775          780
434 Pro Thr Ser Leu Pro Leu Asn Thr Lys Asn Ser Thr Lys Lys Glu Pro
435 785          790          795          800
438 Arg Leu Lys Phe Gly Ser Lys His Lys Ser Asn Leu Lys Gln Val Val
439          805          810          815
442 Glu Thr Gly Val Ala Lys Met Asn Thr Ile Asn Ala Ala Glu Pro His
443          820          825          830
446 Val Val Thr Val Thr Met Asn Gly Val Ala Gly Arg Asn His Ser Val
447          835          840          845
450 Asn Asn Ser His Ala Ala Thr Thr Gln Tyr Ala Asn Arg Thr Val Leu
451          850          855          860
454 Ser Gly Gln Gln Thr Thr Asn Ile Val Thr His Arg Ala Gln Glu Met
455 865          870          875          880
458 Leu Gln Asn Gln Phe Ile Gly Glu Asp Thr Arg Leu Asn Ile Asn Ser
459          885          890          895
462 Ser Pro Asp Glu His His Glu Pro Leu Leu Arg Arg Glu Gln Gln Ala
463          900          905          910
466 Gly His Asp Glu Gly Val Leu Leu Asp Arg Leu Val Asp Arg Arg Glu
467          915          920          925
470 Arg Pro Leu Glu Gly Gly Arg Thr Asn Ser Asn Asn Asn Ser Asn
471          930          935          940
474 Pro Cys Ser Glu Gln Asp Val Leu Ala Ala Gln Gly Val Pro Ser Thr
475 945          950          955          960
478 Ala Ala Asp Pro Gly Pro Ser Lys Pro Arg Arg Arg Ala Gln Arg Pro
479          965          970          975

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